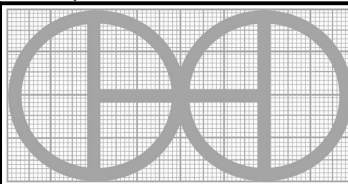


Parts list

| POS | QTY | PART NAME | FILE NAME | PART TYPE | SPECIFICATIONS | SHEET |
|------|-----|------------------------|----------------------------------|------------|--|-------|
| A1 | 1 | 3d views | tube bender with 20 ton jack.iam | | | 1 |
| A2 | 1 | Exploded 3d view | tube bender with 20 ton jack.ipn | | | 2 |
| B1 | | Parts list | part list.csv | | | 3 |
| 1.0 | 1 | Support assembly | support assembly.aim | | | 4 |
| 1.1 | 2 | Stand plate | stand plate.ipt | Production | Steel C45 | 5 |
| 1.2 | 1 | Base plate | base plate.ipt | Production | Steel C45 | 6 |
| 1.3 | 2 | Side bracket | side bracket.ipt | Production | Aluminium T6 6061 | 7 |
| 1.4 | 1 | Roller pin | roller pin.ipt | Production | Steel C45 | 8 |
| 1.5 | 1 | Speed nut wing | speed nut wing.ipt | Production | Steel C45 | 9 |
| 1.6 | 2 | Stabilizer tube | stabilizer tube.ipt | Buy | Steel A36, Tubular structural DIN 10220 s. (OD=0.75", ID=0.5", L=7") | |
| 1.7 | 1 | Die wrist pin sleeve | die wrist pin sleeve.ipt | Buy | Steel A36, Tubular structural DIN 10220 s. (OD=1.5", ID= 1", L=7") | |
| 1.8 | 2 | Spring D.Wire 3mm | spring.ipt | Buy | Spring Steel C45, (D.wire = 3mm, L=140mm, D1.=25 mm) | |
| 1.9 | 1 | Hex Bolt M24 | | Standard | M24-3.00x230mm Hex Bolt DIN 931 | |
| 1.10 | 2 | Washer M24 | | Standard | M24 Flat washer DIN 125 | |
| 1.11 | 2 | Bolt 2 | | Standard | M12-1.50 x230mm Hex Bolt DIN 931 | |
| 1.12 | 4 | Bolt 4 | | Standard | M10-1.5- 35mm SHCS Bolt DIN 933 | |
| 1.13 | 4 | Washer 4 | | Standard | M10 Flat Washer DIN 125 | |
| 1.14 | 2 | Nut 2 | | Standard | M12 - 1.50 Nylon Lock Nut DIN 934 | |
| 1.15 | 4 | Nut 3 | | Standard | M10 - 1.50 Hex Nut DIN 934 | |
| 1.16 | 4 | Bolt 3 | | Standard | M12- 1.50x 25mm Hex Bolt DIN 933 | |
| 1.17 | 8 | Washer 3 | | Standard | M12 Flat Washer DIN125 | |
| 1.18 | 1 | Hex Nut M24 | | Standard | M24 - 3.00 Hex Nut DIN 934 | |
| 2.0 | 1 | Pressing system | pressing system.iam | | | 10 |
| 2.1 | 1 | HMP-Jack | hmp-jack.iam | Buy | 20 Ton Bottle Jack | |
| 2.2 | 1 | Spacer Sleeve-Shipping | spacer sleeve-shipping.ipt | Production | Steel A36, Tubular structural DIN 10220 seamless 40x2mm | 11 |
| 2.3 | 1 | Roller block | roller block.ipt | Production | Aluminum 6061-T6 | 12 |
| 2.4 | 1 | Roller | roller.ipt | Production | Steel C45 | 13 |
| 2.5 | 1 | Support bracket | support bracket.ipt | Production | Steel C45 | 14 |
| 2.6 | 2 | Washer 5 | | Standard | M10 Flat Washer DIN 125I | |
| 2.7 | 2 | Hex Bolt 5 | | Standard | M10 - 1.50 x 25 mm SHCS Bolt DIN 933 | |
| 3.0 | 1 | Die set w/ Follow Bar | | | Buy (Round tube dir for pipe bender 2" O.D.) Pro-Tools, Inc. | |

| | | | | | |
|------------------------------|--|---|-------------|------------|----------|
| PROJECT | | CREATED BY | APPROVED BY | DATE | VERSION |
| Tube bender with 20 ton jack | | E. Ceballos | A. Morillo | 01/10/2021 | 1.0 |
| PART NAME | | FILE NAME | | | POS |
| Parts list | | part list.csv | | | B1 |
| PUBLISHED BY | |  | DOC. TYPE | MATERIAL | QUANTITY |
| OHO e.V. | | | Parts list | | |
| | | LICENCE | SCALE | SHEET | |
| | | CC-BY-SA 4.0 | | | 3 /14 |